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1 From formal models to formally based methods: an Industrial experience

Emanuele Ciapessoni, Piergiorgio Mirandola, Alberto Coen-Porisini, Dino Morzenti

January 1999 **Transactions on Software Engineering and Methodology**

Volume 8 Issue 1

Publisher: ACM

Full text available: Pdf (239.61 KB) Additional Information: full citation, abstract, referer terms, review

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 105, Citation

We address the problem of increasing the impact of formal methods in industrial computer applications. We summarize the reasons why formal methods did not gain widespread use within the industrial environment despite se

Keywords: formal models, industrial applications, object orientation, supervision and control, technology transfer

2 Impromptu: managing networked audio applications for mobile users

Chris Schmandt, Kwan Hong Lee, Jang Kim, Mark Ackerman
June 2004 **MobiSys '04: Proceedings of the 2nd international conference on mobile systems, applications, and services**

Publisher: ACM

Full text available: Pdf (240.36 KB) Additional Information: full citation, abstract, referer

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 47, Citation

This paper discusses the software architecture of Impromptu, a mobile computing platform, with an associated set of network-based applications. Impromptu merges the communication properties and universal mobility of a telephone ...

Keywords: WiFi, architecture, audio applications, audio interface, mobile speech interface, telephony, voice over IP

3 Power-aware data management for small devices

Sami Rollins, Kevin Almeroth, Dejan Milojicic, Kiran Nagaraja
September 2002 **WOWMOM '02: Proceedings of the 5th ACM international**

Wireless mobile multimedia

Publisher: ACM  [Request Permissions](#)Full text available:  [Pdf \(98.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [referencer terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 35, Citation

Pervasive computing devices such as Personal Digital Assistants (PDAs) computers are becoming increasingly ubiquitous. The future promises even more advanced devices such as digital watches, jewelry, and even clothing. However, pervasive ...

Keywords: content management, energy, small devices

- 4 Some assembly required: building a digital government for the 21st century**
 Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher
 May 2002  **dg.o '02:** Proceedings of the 2002 annual national conference on digital government research

Publisher: Digital Government Research CenterFull text available:  [Pdf \(889.22 KB\)](#) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 192, Citation

- 5 Public-key support for group collaboration**

 **Carl Ellison, Steve Dohrmann**
 November 2003 **Transactions on Information and System Security (TISSEC)** (TISS) Issue 4

Publisher: ACM  [Request Permissions](#)Full text available:  [Pdf \(561.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [referencer terms](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 107, Citation

This paper characterizes the security of group collaboration as being a function of both the choice of cryptographic algorithms and coding practices, but also of the manner in which groups are created. We show that traditional security mechanisms do not provide sufficient security for group collaboration.

Keywords: Human-computer interface, IPsec, PGP, PKI, S/MIME, SDSI

- 6 Motorcycling and social interaction: design for the enjoyment of brief encounters**


Mattias Esbjörnsson, Oskar Juhlin, Mattias ÖstergrenNovember 2003 **GROUP '03:** Proceedings of the 2003 international ACM SIGART conference on Supporting group work**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf \(314.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [referencer terms](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 49, Citation

We report an ethnographic fieldwork that reveals the importance of social interaction, especially traffic encounters, for the enjoyment of motorcycling. Motorcyclists spend a considerable amount of time on the roads to meet other bikers. During these interactions,

Keywords: bikers, ethnography, social interaction, traffic encounters

7 Supporting activity-centric collaboration through peer-to-peer shared

 Werner Geyer, Jürgen Vogel, Li-Te Cheng, Michael Müller

November 2003 **GROUP '03: Proceedings of the 2003 international ACM SIGART conference on Supporting group work**

Publisher: ACM 

Full text available:  Pdf (366.92 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 70, Citation

We describe a new collaborative technology that is mid-way between the email and the formality of shared workspaces. Email and other ad hoc communication systems are typically lightweight and flexible, but build up an unmanageable

Keywords: activity-centric collaboration, emerging collaboration, object-oriented, peer-to-peer, replication, synchronization

8 ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2

 May 2003 **SIGGRAPH Computer Graphics**

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

9 Requirements for photoware

 David Frohlich, Allan Kuchinsky, Celine Pering, Abbe Don, Steven Ariss

November 2002 **CSCW '02: Proceedings of the 2002 ACM conference on Computer-supported cooperative work**

Publisher: ACM 

Full text available:  Pdf (364.89 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 203, Citation

Eleven PC-owning families were interviewed at home about their use of digital photos. They also completed photo diaries and recorded photo-storytelling conversations that occurred spontaneously over a three month period at home ...

Keywords: cameras, communication, digital photography, photo sharing, photo storytelling, user requirements

10 An experimental simulation of multi-site software development

N. Sadat Shami, Nathan Bos, Zach Wright, Susannah Hoch, Kam Yung Kua, Gary Olson

October 2004 **CASCON '04: Proceedings of the 2004 conference of the Center for Studies on Collaborative research**

Publisher: IBM Press

Full text available:  Pdf (232.52 KB) Additional Information: [full citation](#), [abstract](#), [referent terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 89, Citation

Effective communication and coordination across multiple sites is extrer global software development. An experimental simulation that mimics a software division working across multiple locations was designed to stu

11 Laptops in the classroom

 Andrea Beth Campbell, Roy P. Pargas

February 2003 **SI GCSE '03: Proceedings of the 34th SIGCSE technical symposium on Computer science education**

Publisher: ACM 

Full text available:  Pdf (220.28 KB) Additional Information: [full citation](#), [abstract](#), [referenc](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 316, Citation

This paper focuses on a rapidly growing population on many college and campuses today: students equipped with laptop computers capable of w to the Internet. More and more departments are requiring that students

Keywords: CS ed research, animation, classroom management, comm curriculum issues, distance education, human-computer interface, infor technology, laptop-enhanced courses, pedagogy, visualization, web-bas

Also published in:

January 2003 **SIGCSE Bulletin** Volume 35 Issue 1

12 ACM SIGGROUP Bulletin: Volume 24 Issue 1

 April 2003 **SIGGROUP Bulletin**

Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

13 From voice-band modems to DSL technologies

September 2001 **International Journal of Network Management**, Volume 11, Number 3

Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (170.80 KB) Additional Information: [full citation](#), [abstract](#), [referenc](#)
[review](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 60, Citation

This paper provides an overview of the evolution of digital transmission access network from voice-band modems to Digital Subscriber Line (DS The various types of DSL technology are described. Copyright © 2001 J

14 Designing remail: reinventing the email client through innovation and

 Bernard Kerr, Eric Wilcox

April 2004 **CHI '04: CHI '04 extended abstracts on Human factors in computing**

Publisher: ACM 

Full text available:  Pdf (1.68 MB) Additional Information: [full citation](#), [abstract](#), [referenc](#)
[terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 47, Citation

The Remail design team defined a specification for an innovative and intelligent client. This design-led effort tackled three key problems that email researchers discovered: lack of context, co-opting of email, and keeping track of too much information.

Keywords: concept design, experience design, experience strategy, information architecture, integration

15 Frontiers in electronic media



Kim H. Veltman

July 1997 **Interactions**, Volume 4 Issue 4

Publisher: ACM

Full text available: [PDF \(11.63 MB\)](#) Additional Information: [full citation](#), [references](#), [cited by](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 172, Citation Count: 1

16 Constructing a web-based asynchronous and synchronous collaboration environment using WebDAV and Lotus Sametime



Changtao Qu, Wolfgang Nejdl

October 2001 **SIGUCCS '01: Proceedings of the 29th annual ACM SIGUCCS conference on User services**

Publisher: ACM

Full text available: [PDF \(477.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [referenced publications](#), [cited by](#), [similar terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 84, Citation Count: 1

In this paper we present our practice of constructing a Web-based asynchronous and synchronous collaboration environment for supporting collaborative distributed work between a German university and a university in Italy. We utilize the reliable WebDAV protocol and the friendly ...

Keywords: asynchronous collaboration, lotus sametime, synchronous communication, based distributed authoring and versioning

17 Stimulating social engagement in a community network



David R. Millen, John F. Patterson

November 2002 **CSCW '02: Proceedings of the 2002 ACM conference on Computer-supported cooperative work**

Publisher: ACM

Full text available: [PDF \(384.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [referenced publications](#), [cited by](#), [similar terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 210, Citation Count: 1

One of the most challenging problems facing builders and facilitators of community networks is to create and sustain social engagement among members. To investigate the drivers of social engagement in a community network through analysis ...

Keywords: community networks, community-support systems, empirical studies

awareness, social engagement

18 A formal design notation for real-time systems

 Miguel Feider, Mauro Pezze

April 2002 **Transactions on Software Engineering and Methodology** (Volume 11, Issue 2)

Publisher: ACM 

Full text available:  Pdf (2.71 MB) Additional Information: [full citation](#), [abstract](#), [referencer](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 174, Citation

The development of real-time systems is based on a variety of different notations. Despite the purported benefits of formal methods, informal techniques play a predominant role in current industrial practice. Formal and informal m...

Keywords: Formal design specification, design of real time systems, formal methods, design specification, structured design

19 Adaptive memory management and optimism control in time warp

 Samir R. Das, Richard M. Fujimoto

April 1997 **Transactions on Modeling and Computer Simulation (TOMCS)** (Volume 1, Issue 2)

Publisher: ACM 

Full text available:  Pdf (321.66 KB) Additional Information: [full citation](#), [abstract](#), [referencer](#), [terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation

It is widely believed that the Time Warp protocol for parallel discrete event simulation is prone to two potential problems: an excessive amount of wasted, rolled back work resulting from "rollback thrashing" behaviors, and inefficient ...

20 Some assembly required: building a digital government for the 21st century

Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher

May 2000 **dg.o '00: Proceedings of the 2000 annual national conference on digital government research**

Publisher: Digital Government Research Center

Full text available:  Pdf (889.21 KB) Additional Information: [full citation](#), [abstract](#), [referencer](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 56, Citation

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